THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF ATOMIC ENERGY, ELECTRONICS OCEAN DEVELOPMENT AND SPACE (SHRI SHIVRAJ PATIL): (a) No, Sir. (b) to (d) Do not arise.

Cancellation of Contract for Submarines with West Germany

462. DR. BAPU KALDATE: Will the PRIME MINISTER be pleased to state:

(a) whether Government have cancelled the contract with M/s. HDW of West Germany for the supply of submarines;

(b) if so, what are the reasons therefor;

(c) whether a new contract has been entered into with M/s. Kockums, the submarine builders of Sweden; and

(d) if so, what are the detail' in this regard?

THE MINISTER OF STATE IN THE DEPARTMENT OF DEFENCE RESEARCH AND DEVELOPMENT (SHRI ARUN SlNGH): (a) No, Sir.

(b) Does not arise, in view of (a) above.

(c) No, Sir.

(d) Does not arise in view of (c) above.

Completion of Enquiry into Disappearance of AN-32 Aircraft

463. SHRI KRISHNA KUMAR BIRLA: Will the PRIME MINISTER be pleased to state:

(a) whether Government have completed the inquiry into the disappearence of the two Indian Air Force AN-32 aircraft in March, 1986;

(b) if so, what are the details thereof; and

(c) if not, what are the reasons for delay in completing the inquiry?

THE MTNISTER OF STATE IN THE DEPARTMENT OF DEFENCE RESEARCH AND DEVELOPMENT (SHRI ARUN SINGH): (a) to (c) The Courts of Inquiry ordered to investigate into the disappearance oi the AN-32 aircraft missing since 22nd March, 1986 and 25th March, 1986 are still in progress. It has not been possible to reach any final conclusions since neither these aircraft nor their wreckage have yet been located.

464. [Transferred to the 1st *Avr gust*$_y$ 1986].

Brain Drain of Scientists from N.A.U

465. SHRI D. B.. CHANDRA GOWDA; Wi'l the PRIME MINISTER be pleased to state;

(a) whether it is a fact that the National Aeronautical Laboratory (NAL), which was set up in 1959 to serve as the repository $_0$f scientific knowledge in the aeronautical field, is facing acute problems of brain drain;

(b) if so, whether Government are aware that the best scientists in the country have either gone away to other countries or are planning to do so; and

(c) what ar$_e$ the reasons the'refor and whether Government propose to provide adequate facilities to the scientists so that best scientists do not leave the country?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOM^{T}C ENERGY, ELECTRONICS AND SPACE (SHRT SHIVRAJ PATIL): (a) No, Sir. Since 1981 on average only 6 Scientists per year have resigned from the National Aeronautical Laboratory. Bangalore to take up assignments/fellowshios abroad. Out of these one has rejoined the NAL 3 Scientists who had left beofre 1980 have also rejoined. Further, 7 froeign qualified Sc'en*'-"ts and 20 Scientists with hi?h Indian qualifications have joined NAL since 1981.

(b) Does not arise.

(c) Scientists leave mainly for

advanced studies/ training, personal > reasons, better emoluments and employment opportunities to attain specific long term/short term goals in the frontiers of knowiedge/tecn-o age Government has always been taking steps to improve the working conditions of the Scientists, and to provide adequate facilities for research.

Protection from Radiation Hazards Emitted by X-rays Colour TVs, etc.

466. SHRI B. SATYANARAYAN REDDY: WiH the PRIME MINISTER be pleased to state:

(a) whether Government are aware that X-rays,colour Televisions, mining operations and even building materials emit radiation and prolonged exposure thereto endangers public health; and

(b) if so, what measures Government are taking to protect the peoples' health from such radiation?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AJ^l"" TECHNOLOGY AND IN THE DEPARTMENTS OF OCEAN DEVELOPMENT ATOMIC ENERGY, ELECTRONICS AND SPACE, (SHRI SHIVRAJ PATTL): (a) and (b) Government is aware that many objects of common man's use such as Colour TVs building materials. X-ray machines emit radiation. Similarly, uranium mining operations also involve exnosure to radiation. However, no measureable radiation is emitted by the TV screen. The radiation emitted by building material depends on the material. The amount of radiation inside a dwelling is also dependent upon the ventilation. The measuremwit carried out in different types of houses show that radiation levels are low and ig comparable to similar type of dwellings in other countries. No further protective measures are considered necessary. To protect operators and public from radiation emitted by X-ray machines and workers in the uranium mining o^prnttoTts, constant surveillance of the work area is carried out and tii« radiation levels are also constantly monitored to ensure strict adherence to the laid down norms.

Rise in prices of essential commodities

467. SHRI M. S. GURUPADASWAMY: Will the Minister of FOOD AND CIVIL SUPPLIES be pleased to state; ,

(a) the extent of rise in prices of essential commodities since April, 1986;

(b) what are *he main reasons for this rise in prices; and

(c) what steps have been taken by Government to maintain the price level?

THE MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINISTER OF STATE IN THE MINISTRY OF FOOD AND CIVIL SUPPLIES (SHRI AJIT PANJA); (a) A Statement indicating variation in the wholesale price indices of selected commodities between the last week of March. 1986 and the week ending 5.7.86 is given below.

(b) T'ne rise in the prices of some essential commodities during the past 14 weeks ending 5th July, 1986 may be mainly attributed to the lean season and shortfall in the production of some commodities.

(c) The main thrust of the Government Policy continues t_0 be to increase th_e production of essential commodities particularly those which are in short supply. The Public Distribution System is being streamlined and expanded. The allocation of foodgrains, imported edible oils etc. for distribution through the Pubic Distribution System has been in ed in recent months. Some of the essential commodities are imported to supplement th_e domestic supply. The export of essential commodities is banned/regulated. Action is being taken by 'he State Governments against blackmarketeers and profiteers u"d°r the Essential Commodities Act, 1955 and th_e Prevention of B'ackmarketin? and Maintenance of Supplies of Essential Commodities Act, 1980.